

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053057

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G05B23/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G05D G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 330 525 B1 (LENZ GARY A ET AL) 11 December 2001 (2001-12-11) cited in the application	1,2,4,11
Y	column 21, line 20 - column 26, line 43	14,15,19
Y	US 6 370 957 B1 (BROWN SCOTT ET AL) 16 April 2002 (2002-04-16) column 2, line 33 - column 5, line 17	14,15,19
A	US 6 546 814 B1 (GLESMANN JONATHAN M ET AL) 15 April 2003 (2003-04-15) column 12, line 48 - column 17, line 52	1
A	US 6 295 510 B1 (DISCENZO FREDERICK M) 25 September 2001 (2001-09-25) column 9, line 5 - column 10, line 16	1
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

10/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Kelperis, K

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053057

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 020 007 A (BROSSIA CHARLES E ET AL) 28 May 1991 (1991-05-28) column 6, line 56 - column 10, line 50 -----</p>	1,5-8

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053057

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6330525	B1	11-12-2001	US 6260004 B1	10-07-2001
US 6370957	B1	16-04-2002	NONE	
US 6546814	B1	15-04-2003	AU 3873500 A DE 60015509 D1 EP 1161657 A2 EP 1431727 A2 WO 0055585 A2	04-10-2000 09-12-2004 12-12-2001 23-06-2004 21-09-2000
US 6295510	B1	25-09-2001	US 6434512 B1	13-08-2002
US 5020007	A	28-05-1991	NONE	